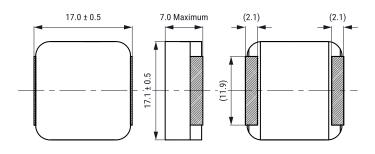


## **MPXV1D1770L100** Aliases (UPI2X11770V100)

KEMET, MPXV, Metal Composite, 20%, 10 uH, 1770(6868)



General Information	
Series	MPXV
Style	SMD Molded
Core	Metal Composite
Description	Surface Mount Inductor
Features	Power Inductors
RoHS	Yes
Qualifications	AEC-Q200
AEC-Q200	Yes
Miscellaneous	40 (K) Temperature Rise Max.

## Click here for the 3D model.

Dimensions	
Chip Size	1770(6868)
L	17mm +/-0.5mm
W	17.1mm +/-0.5mm
Т	7mm MAX
G	11.9mm NOM

## Packaging SpecificationsTypical Component Weight11 gPackagingT&R, 330mm

Packaging	T&R
Packaging Quantity	100

Specifications	
Inductance	10 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	14.5 A (Irms, 40C Rise By Self Heating)
Saturation Current	11.5 A (Isat, 20% Drop In Inductance), 16.5 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	12.2 mOhms
DC Resistance	12.2 mOhms
Self-Resonant Frequency	7 MHz

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